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Bibliography of Recent Papers

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In preparation for the forthcoming meeting of the Commission for Agricultural Meteorology of the World Meteorological Organization a list of scientific papers written in recent years by the staff of the UK Meteorological Office has been compiled for international circulation within the Commission.

Enquiries regarding these papers should be addressed to Meteorological Office, Met O 8a at Bracknell, Berkshire.

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SCIENTIFIC BOOKS AND PAPERS PUBLISHED BY MEMBERS OF THE AGRICULTURAL METEOROLOGY UNIT OF THE BRITISH METEOROLOGICAL OFFICE IN RECENT YEARS

1. Books and Reports

1.	W H HOGG	1969	Meteorological factors affecting the epidemiology of wheat rusts. W.M.O. 238. TP130. Tech-note No.99. Geneva 1969.
2.	L P SMITH	1970	Weather and animal diseases. World Met Org.W.M.O. - No.268. TP152, Geneva 1970.
3.	G W HURST	1970	Agrometeorology in the Meteorological Office. London Met Mag.99. 1970. p.170-177.
4.	L P SMITH	1971	The significance of winter rainfall over farmland in England and Wales, MAFF, Technical Bulletin No.24, London, 1971.
5.	G W HURST with R P RUMNEY	1971	Protection of plants against adverse weather. W.M.O. No.281, Tech-Note No.118.
6.	L P SMITH	1972	The application of micrometeorology to agricultural problems. Report of the Working Group on Agrometeorological Aspects of Micrometeorology of the Commission for Agricultural Meteorology. Edited by L P Smith. W.M.O. No.298. Technical Note No.119. Geneva 1972.
7.	C V SMITH	1972	W.M.O. Commission for Agricultural Meteorology, fifth session - Geneva. October 1971. London Met Mag.101. 1972. p.91-93.
8.	C V SMITH	1972	Some environmental problems of livestock housing. W.M.O. No.325, Tech. Note No.122. 1972.

2. Climatic Factors

1.	R W GLOYNE	1968	Some climatic influences affecting hill-land productivity. Proc. Symp. Hill Land Product, Europ. Grassland Fed. Aberdeen, 1-4 July 1968. p.1-7.
2.	L P SMITH	1970	The changing climate. Agric. Met., Int.J., Amsterdam, 7, 1970, p.361-362.
3.	W H HOGG	1971	Climate. Harpenden, Rothamsted Exp.Stn. Soil Survey England, Wales, Soils Exeter District 1971, p.25-32.

4. W H HOGG with P F WAREING and J P COOPER — 1971 — Regional and local environments. Pot.Crop Prod., Rep.Symp.Pot.crop Prod.Britain. Aberystwyth. July 1969 London(Heinemann) 1971, p.6-22.

5. R W GLOYNE — 1971 — Notes and some speculations on the effects of climate on the development of horticulture in Scotland. Scientific Horticulture, London, 23, 1971, p.22-40.

6. L P SMITH — 1972 — The effect of climate and size of farm on the type of farming. Agric.Met.Int.J., Amsterdam, 9, 1972, p.217-223.

7. L P SMITH with J H R H DAVIS — 1972 — Autumn cereal sowing and the date of return to field capacity in the soil. London, Min. Agric.Fish. Food; ADAS. Q. Rev. No 6, 1972, p.36-40.

8. W H HOGG — 1972 — Climatic resources and economic activity. London Min.Ag.Fish.Food. Agriculture 79. 1972, p.306-309.

9. J COCHRANE — 1972 — Climatic limits for viticulture in England and Wales. English Vineyards Association, Journal No.6, July 1972, p.35-37.

10. L P SMITH with H E CROXALL — 1973 — Autumn weather and cereal growing in England. London, Min.Agric.Fish. Food, ADAS. Q.Rev., No.8, 1973, p.177-183.

11. R W GLOYNE — 1973 — The 'growing season' at Eskdalemuir Observatory, Dumfriesshire. London. Met Mag.102. 1973, p.174-178.

3. Weather Factors

1. L P SMITH — 1969 — The effect of temperature on the quality of hops. Wye Coll., Dept. Hop Res., Ann. Rep., 1969, p.47-60.

2. L P SMITH — 1971 — Assessment of the probable dates for return to soil moisture capacity in the Autumn. London, Min.Agric.Fish,Food, ADAS. Q.Rev., No.2,1971,p.71-75.

3. M G ROY with J M PEACOCK — 1971 — Seasonal forecasting of the spring growth and flowering of forage crops in the British Isles. Aberystwuth Univ.Coll.Wales. Mem.No.14, 1971, p.129-155.

4. M G ROY — 1972 — Heading dates of S24 Perennial Ryegrass and spring temperatures. 1972J. Brit.Grassland Soc.27: 251-260.

5.	M N HOUGH	1972	Weather factors affecting the development of maize from sowing to flowering. J.Agric.Sci.Cambridge 78, 1972, p.325-331.
6.	L P SMITH	1972	The effect of weather, drainage efficiency and duration of spring cultivations on barley yields in England. Outlook on Agric., (London), 1972, 7(2):79-83.
7.	L P SMITH with J COCHRANE and V BAILEY	1973	The estimation of wheat and barley acreages in England by reference to the weather of the previous summer. London,Met.Off.,Met. Mag.,102, 1973, p.265-269.
8.	L P SMITH	1973	The effect of temperature on the quality of hops. Unesco. Ecology and Conservation 5 : 99-106.

4. Livestock Meteorology

1.	L P SMITH	1970	The dangers of a late spring. London Milk Market.Bd., Milk Producer,17,1970,p.242-243.
2.	P B WRIGHT with M E HUGH-JONES	1970	Studies on the 1967-68 foot-and-mouth disease epidemic. J.Hygiene, Cambridge 68, 1970 p.253-271.
3.	L P SMITH with R J THOMAS	1972	Forecasting the spring hatch of Nematodirus battus by the use of soil temperature data. Veterinary Record, London, 90, 1972, p.388-392.

5. Pathology

1.	W H HOGG	1970	Weather, climate and plant disease. London, Met.Mag.99. 1970,p.317-326.
2.	L P SMITH	1972	Weather,pests and disease. Agric.Met., Int.J.Amsterdam, 10, 1972, p.249-250.
3.	L P SMITH with R R DAVIES	1972	Weather conditions and spore trap catches of barley mildew. Plant Pathology, London, 22, 1972, p.1-10.
4.	L P SMITH with R W POLLEY	1973	Barley Mildew forecasting Proc. 7th British Insecticide and Fungicide Conf.1973, Vol.2., 1973, p.373-378.
5.	L P SMITH with R R DAVIES	1973	Forecasting the start and severity of the hay fever season. Clinical Allergy, London, 3. 1973, p.263-267.

6. L P SMITH with R R DAVIES — 1974 — Weather and the graminae pollen content of the air. 1974 Clinical Allergy 3(4):(in press).

6. Shelter and Glasshouses

1. R W GLOYNE — 1970 — Shelter and local climate differences. London.R.Met.Soc.Weather 25, 1970. p.439-444.

2. C V SMITH with H G KINGHAM — 1970 — Calculated light transmission: the effects of orientation of single glasshouses. London.Min.Ag.Fish.Food. Exp.Hort.No.22. 1970, p.1-8.

3. C V SMITH with H G KINGHAM — 1971 — A contribution to glasshouse design. Agrc.Met.Int.J.Amsterdam.8. 1971, p.447-468.

4. R W GLOYNE with N MACSWEEN and M J ALLEN — 1971 — The assessment of exposure by the rate of disintegration of a standardised textile flag. London.Min.Ag.,Fish.Food. Joint Shelter Research Committee 1971.

7. Observations

1. L P SMITH — 1970 — The difficult art of measurement. Agric. Met.,Int.J.Amsterdam, 7, 1970, p.281-283.

2. R W GLOYNE with D G ARMOUR and J BULLOCK — 1971 — The estimation of mean dry-bulb temperatures during daylight hours. London Met.Mag.100. 1971 p.220-222.

3. R W GLOYNE — 1971 — A note on the average annual mean of daily earth temperature in the U.K. London Met. Mag.100, 1971,p.1-6.

4. R W GLOYNE — 1971 — A note on the measurement and estimation of evaporation. London Met.Mag.100.1971, p.322-328.

5. R W GLOYNE — 1972 — The diurnal variation of global radiation on a horizontal surface - with special reference to Aberdeen. London.Met.Mag.101. 1972, p.44-51.

6. L P SMITH — 1972 — A question of capacity. Agric.Met., Int.J. Amsterdam, 9, 1972, p.161-162.

7. L P SMITH — 1972 — Use of statistics. World Met.Org.WMO - No.310, 1972, p.348-354.

8. J COCHRANE 1972 A method of checking the validity of earth temperature data. W.M.O, WMO No.310. 1972, p.219-222.

9. R W GLOYNE 1973 Number of days of air frost in the winter months in Scotland in relation to the mean air temperature - on a period-average basis, and for individual years at selected stations. London Met.Mag.102, 1973, p.272-277.

8. Weather Forecasts

1. W H HOGG 1970 Long range weather forecasts. London Min. Ag.Agriculture 77, 1970. p.433-435.

2. W H HOGG 1971 Weather forecasting for agriculture. London.Min.Ag.Agriculture 78, 1971. p.352-355.

3. W H HOGG 1971 The weather forecasting requirements of specific types of agriculture and horticulture. Aberystwyth Univ.Coll.Wales. Memo.14. 1971, p.99-114.

4. R W GLOYNE 1972 Long range weather forecasts and the farmer. Edinburgh, Dept.Ag. and Fish. Scotland, Scottish Agric.51. 1972. p.261-267.

9. Miscellaneous

1. G W HURST 1970 External protection of living organisms against meteorological extremes. Int.Soc. Biomet., Biomet.4. pt.1. 1970, p.39-56.

2. C V SMITH 1971 The organisation of meteorological advice for agriculture and industry. Aberystwyth, Univ.Coll.Wales. Mem No.14. 1971. p.15-29.

3. L P SMITH 1971 Technical activities in agricultural meteorology. World Met.Org., Bull.20, 1971, p.225-231.

4. L P SMITH 1972 Processes in micrometeorology. World Met. Org., WMO-No.310, 1972, p.300-305.

5. L P SMITH 1972 Project preparation. World Met. Org., WMO-No.310, 1972, p.160-161.

6. L P SMITH 1972 Choice of agrometeorological projects. World Met.Org.W.M.O.-No.310, 1972,p.156-159.

7.	J B TYLDESLEY	1973	Long range transmission of tree pollen to Shetland: I Sampling and trajectories, II Calculation of pollen deposition, III Frequencies over the past hundred years. New Phytology, Cambridge 72, 1973, p.175-181, p.183-190, p.691-697.
8.	L P SMITH	1973	The drain brain. Agric.Met.,Int.J. Amsterdam, 11, 1973, p.1-2.
9.	L P SMITH	1973	The importance of agroclimatology in the world of today. World Met.Org.,WMO-No.340, 1973, p.3-5.
10.	L P SMITH (Editor)	1964 to date	Recently Published Papers - bibliographies published in each issue of Agricultural Meteorology, Elsevier Publ.Co.Amsterdam.

NOTE:

This list includes only the work of Meteorological Office staff; the list of U.K. publications would be far longer, but all are included in the bibliographies contained in "Agricultural Meteorology".